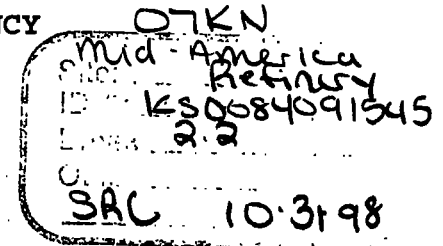


U.S. ENVIRONMENTAL PROTECTION AGENCY
SITE PROGRESS REPORT



I. HEADING

Date: October 31, 1998
From: Janice J. Kroone, OSC
U.S. EPA, Region VII
To: Paul Nadeau, Director (5203G)
Regions 5/7 Accelerated Response Center
Subject: Mid-America Refinery Company (MARCO)
Chanute, Neosho County, Kansas
Report: #3

II. BACKGROUND

Site ID: KN
CERCLIS ID#: KSD084091545
Contract Number: 68-S7-7001
Delivery Order Number: 0024
Response Authority: CERCLA
Category of Removal: Time Critical
NPL Status: Non-NPL
State Notification: KDHE Notified
Date Action Memo Signed: June 29, 1998
Date Action Memo Amended: August 13, 1998
Mob Date: July 7, 1998
Demobilization Date: N/A
Completion Date: N/A

III. SITE INFORMATION

A. Incident Category

CERCLA incident category: This site is an abandoned oil refinery located north of a residential area.

B. Site Description

1. The Mid-America Refinery Company (MARCO) site is located in Neosho County, Kansas, north of the city limits of Chanute. This site is a 25-acre abandoned oil refinery that operated as a crude oil processor from 1934 until it was shut down in February 1981. Suspected asbestos containing material (ACM) was discovered onsite during the course of an Oil Pollution Act (OPA) removal which began in February 1998. Salvagers had damaged the old boiler onsite and had partially dismantled it. Salvaging activities resulted in damage to the integrity of the skin of the boiler thus exposing the insulation material inside.



Analytical sample analysis confirmed that the insulation in the boilers was asbestos. Two burners onsite were found to contain asbestos in several gaskets and in insulation located between bricks. An asbestos dump area was also found on site. This material is in poor condition, friable and is open to the environment and therefore can cause a release of asbestos fibers.

Petroleum contaminated soils extend under the buildings onsite. These buildings are not structurally sound and are in disrepair. The state of Kansas has given approval to bury brick and concrete onsite. Because the groundwater is shallow in the east portion of the site, sampling was done on the painted surfaces of the buildings to ensure that the paint on the bricks did not pose a leaching problem. Several of the buildings have peeling paint and laboratory analysis found that the paint failed the Toxicity Characteristic Leaching Procedure ("TCLP") analysis for lead. TCLP lead was found on corrugated tin on the outside of one building. This paint was chipping off. The tin can not be buried onsite and must be shipped to a construction and demolition landfill for disposal.

During removal activities at the site, a burial area approximately 250' x 140' x 11' was found to the north of the old oil water separator on the east portion of the property. Information from a former employee, indicates this buried material came from the clean out of various tanks on site. Petroleum sludge was found in this burial area. This sludge was sampled and found to be a hazardous waste due to failing the Toxicity Characteristic Leaching Procedure ("TCLP") for lead.

The original action memo was amended on August 13, 1998 to allow for a change in the removal work plan and an increase of funds for the excavation of approximately 14,300 cubic yards of petroleum sludge which was found to be a hazardous waste due to failing the Toxicity Characteristic Leaching Procedure (TCLP) for lead. This material was found in a burial pit on site.

2. Description of Threat

See POLREP#1 for description of threat.

C. Previous Site Actions

1. Investigative History

See POLREP# 1 for complete investigative history.

2. Past removal actions

See MARCO OPA POLREPs for complete details of OPA removal.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

This POLREP covers the period from October 1 - 31, 1998. Temperatures during this time frame ranged from the mid 50s to the low 80s. During the weekend of October 6, heavy rains filled the excavation area.

2. Removal Activities to Date

Asbestos removal work was completed on September 4. A total of 80 cubic yards of asbestos material was sent to the Allen County Landfill.

Excavation continues in the lead contaminated soil area near the old oil/water separator area. Piles 2,3,4, and 5 passed TCLP for lead, the data was sent to the state and the state approved this material, 84 loads, 2,304.92 tons, to be shipped to ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

Heavy rains on the weekend of October 6, flooded the excavation area. Because this water collected in the area of lead contaminated soil, a sample was taken. Results indicated that there was a small amount of lead in this water. In consultation with KDHE, this water could not be discharged without treatment. The carbon units had already been removed from the Emergency Water Treatment Unit, the Springfield Belle and the Springfield Belle was not equipped to treat metals. Therefore, 135 loads, 466,545 gallons of water was transported to Consolidated in Chanute for treatment.

Once the water was removed, backfill was hauled in to the areas that had been excavated.

3. Enforcement

See POLREP #1 for enforcement details.

B. Next Steps

Continue to excavate and treat lead contaminated soil in burial area near old oil/water separator.

Upon reaching treatment goals, this material will be staged awaiting transportation and disposal to the Resource Recovery Landfill in Cherryvale, KS.

Excavated areas will be backfilled and restored to eliminate erosion of clean backfill from the site.

C. Key Issues

None

V. COST INFORMATION (as of October 30, 1998)

A. Extramural Costs:

1. ERRS Contractor

Current Amount in Delivery Order	\$1,121,812
Costs to date (not including awaits)	117,856
DELIVERY ORDER CEILING BALANCE	1,003,956
PERCENT OF ERRS FUNDS REMAINING	89%

2. START Contractor

Current Ceiling	57,500
Costs to date	2,000
CEILING BALANCE	55,500
PERCENT OF START FUNDS REMAINING	96%
TOTAL EXTRAMURAL CEILING	\$1,179,312
TOTAL EXTRAMURAL COSTS TO DATE	119,856
TOTAL EXTRAMURAL CEILING BALANCE	\$1,059,456

B. Intramural Costs:

Current Ceiling	\$25,000
Actual Costs to date	3,520
TOTAL INTRAMURAL CEILING BALANCE	21,480

TOTAL PROJECT CEILING	\$1,204,312
TOTAL EXTRAMURAL AND INTRAMURAL COST TO DATE	123,376
TOTAL PROJECT CEILING REMAINING	\$1,080,936
PERCENT OF PROJECT CEILING REMAINING	90%

The above accounting of expenditures is an estimate based on figures known to the EPA OSC at the time this POLREP was written. It reflects costs EPA costs incurred onsite.

VI. DISPOSITION OF WASTES

80 Cubic yards of asbestos material was removed from this site and sent to the Allen County Landfill.

A total of 84 loads, 2,304.92 tons of stabilized lead contaminated soil was shipped to the ADS Resource Recovery, Inc., landfill in Cherryvale, Kansas.

A total of 135 loads, 466,545 gallons of lead contaminated water was sent to Consolidated in Chanute, Kansas for treatment.

cc: Dennis Grams, P.E., RGAD
Awilda Fuentes, 5202G
Bill Allen, DOI
Lynette Motley, EFLR
Larry Knocke, KDHE
Robert Jackson, ER&R
Teri Hankins, SDDD

Hattie Thomas, OEP
Steve Sanders, CNSL
Jim Donley, FEMA
Janice Kroone, OSC
Michael J. Sanderson
Carol Kather, SDDD